

CLAIMS

1. A method of manufacturing a wireless suspension blank in which three layered laminate formed of a metallic layer having the spring property and a conductive layer laminated on the metallic layer through an electrically insulating layer are used, wherein the laminate comprises the insulating layer formed of a core-insulating layer and adhesive layers applied on both sides of the core-insulating layer and with the ratio of higher etching rate to lower etching rate of the respective layers of the insulating layer of between 6:1 and 1:1, and the method comprises the steps of a step for processing the metallic layer and the conductive layer by the photo etching method, respectively, a step for forming a resist pattern for processing the insulating layer, and a step for processing the insulating layer through the resist pattern by the wet etching method.
2. A method of manufacturing a wireless suspension blank as claimed in claim 1, wherein the ratio of higher etching rate to lower etching rate of the respective layers of the insulating layer is between 4:4 and 1:1.
3. A method of manufacturing a wireless suspension blank as claimed in claim 1, wherein as the laminate used is a laminate in which the adhesive strength of adhesive layer to metallic layer, conductive layer and core-insulating layer is at least 300g/cm.
4. A method of manufacturing a wireless suspension blank as claimed in claim 1, wherein as the laminate used is a laminate in which the ratio of the thickness of core-insulating layer to the thickness of adhesive layer is 4:1 at maximum is used.
5. A method of manufacturing a wireless suspension blank as claimed in claim 1, wherein a laminate includes at least one layer forming an insulating layer made of polyimide resin.

6. A method of manufacturing a wireless suspension blank as claimed in claim 1, wherein a laminate is comprised of whole the layers forming an insulating layer made of polyimide resin.
7. A method of manufacturing a wireless suspension blank as claimed in claim 1, wherein the ratio of etching rates of the respective layers of the insulating layer is a value in a case where the insulating layer is etched in alkali solution.
8. A method of manufacturing a wireless suspension blank, in which two layered laminate formed of a metallic layer having the spring property and a conductive layer laminated on the metallic layer through are used, wherein the laminate comprises the insulating layer formed of a core-insulating layer and adhesive layers laminated on the core-insulating layer and with the ratio of higher etching rate to a lower etching rate of the respective layers of the insulating layer of between 6:1 and 1:1, and the method comprises the steps of a step for processing the metallic layer by the photo etching method, a step for forming a wiring part on the insulating layer by the semi-additive method, a step for forming a resist pattern for processing the insulating layer, and a step for processing the insulating layer through the resist pattern by the wet etching method.
9. A method of manufacturing a wireless suspension blank as claimed in claim 8, wherein the ratio of higher etching rate to a lower etching rate of the respective layers of the insulating layer is between 4:1 and 1:1
10. A method of manufacturing a wireless suspension blank as claimed in claim 8, wherein as the laminate used is a laminate in which the adhesive strength of adhesive layer to metallic layer, conductive layer and core-insulating layer is at least 300g/cm.
11. A method of manufacturing a wireless suspension blank as claimed in claim 8, wherein as the laminate used is a laminate in which the ratio of the

thickness of core-insulating layer to the thickness of adhesive layer is 4:1 at maximum.

12. A method of manufacturing a wireless suspension blank as claimed in claim 8, wherein as the laminate used is a laminate in which any or the two of core-insulating layer and adhesive layer is made of polyimide resin is used.

13. A method of manufacturing a wireless suspension blank as claimed in claim 8, wherein both core-insulating layer and the adhesive layer are made of polyimide resin.

14. A method of manufacturing a wireless suspension blank as claimed in claim 8, wherein the ratio of etching rates of the respective layers of the insulating layer is a value in a case where the insulating layer is etched in alkaline solution.

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